

WHAT IS CLAIMED IS:

1. A wrench including an enclosed box portion, the enclosed box portion comprising:

5 a circular opening including an annular first groove having a diameter larger than that of the circular opening and an annular second groove formed above the first groove, the second groove having a diameter larger than that of the first groove;

an internal crescent cavity disposed adjacent a handle and being in communication with the first groove;

10 a positioning mechanism including a ring rested on a shoulder between a lower edge of the circular opening and the first groove, a flat extended from the ring to rest on the cavity, and a spring anchored at a vertical portion to urge against a wall of the cavity;

15 a pawl element disposed in the cavity, the pawl element including a pawl section at one side and a bent portion at the other side, the bent portion being urged by the spring to lean against the wall of the cavity;

a ring member having an annular recess;

a flexible C-ring put on the recess; and

20 a ratchet wheel mechanism disposed in the circular opening, the ratchet wheel mechanism including a central opening having a plurality of projections formed around an inner wall thereof, a projecting ratchet wheel surrounded by the first groove, the ratchet wheel being maintained to engage with the pawl section by the spring, and an upper portion with the ring member fitted therearound and the recess being flush with the second groove so that the
25 C-ring is adapted to expand to partially insert into the second groove for preventing the ratchet wheel mechanism from disengaging from the circular opening,

- whereby counterclockwise rotating the enclosed box portion will transfer exerted force to the projections since the pawl element is urged against the wall of the cavity and a rotation of the pawl section relative to the ratchet wheel is prohibited; or clockwise rotating the enclosed box portion will cause the
- 5 projections to be inoperative since the pawl element is substantially disengaged from the wall of the cavity, and the pawl element clockwise rotates relative to the ratchet wheel with the spring being compressed by the bent portion.
2. The wrench of claim 1, wherein the vertical portion of the positioning mechanism comprises a vertical member and a tab projected therefrom to insert
- 10 into the spring.